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BTECH
(SEM VI) THEORY EXAMINATION 2021-22
SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours**Total Marks: 100****Note:** Attempt all Sections. If you require any missing data, then choose suitably.

SECTION A

1. Attempt all questions in brief. 2*10 = 20

Q.no	Questions	Marks	CO
(a)	Define Software Project Management.	2	1
(b)	Briefly discuss about the Project Evaluation.	2	1
(c)	Define Project Life Cycle.	2	2
(d)	Discuss about the Effort Estimation.	2	2
(e)	Briefly discuss about the need of Activity Planning.	2	3
(f)	What do you mean by Risk Management?	2	3
(g)	What do you mean by Project Management and Control?	2	4
(h)	Define Framework for Management.	2	4
(i)	What do you understand by the Organizational behavior?	2	5
(j)	Discuss about the need of Staffing in Software Projects.	2	5

SECTION B

2. Attempt any three of the following: 10*3 = 30

Q.no	Questions	Marks	CO
(a)	Explain in detail about the Best methods of staff selection Motivation.	10	5
(b)	Write short notes on any two of the following: (i) Software process and Process Models (ii) Choice of Process models (iii) Rapid Application development(RAD)	10	2
(c)	What do you mean by Project schedules? Mention the Objectives of Activity planning.	10	3
(d)	Discuss about the concept and need of Cost monitoring Earned Value Analysis.	10	4
(e)	Describe the activities and Importance of Software Project Management.	10	1

SECTION C

3. Attempt any one part of the following: 10*1 = 10

Q.no	Questions	Marks	CO
(a)	What is the concept and need of Agile methods in Project Life Cycle?	10	2
(b)	Explain about the Oldham Hackman job characteristic model under the Staffing in Software Projects.	10	5

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4. Attempt any *one* part of the following: 10 *1 = 10

Q.no	Questions	Marks	CO
(a)	Discuss in detail about the Categorization of Software Projects.	10	1
(b)	Discuss about the Forward Pass and Backward Pass techniques in Activity Planning and Risk Management.	10	3

5. Attempt any *one* part of the following: 10*1 = 10

Q.no	Questions	Marks	CO
(a)	Discuss in detail about the Change control Software Configuration Management.	10	4
(b)	Explain in detail about any two of the following. (i) Stress. (ii) Health and Safety. (ii) Ethical and Professional concerns.	10	5

6. Attempt any *one* part of the following: 10*1 = 10

Q.no	Questions	Marks	CO
(a)	Describe any two of the following. (i) Basics of Software estimation. (ii) Effort and Cost estimation. (iii) Dynamic System Development Method.	10	2
(b)	Write down about any two of the following. (i) Critical path (CRM) method. (ii) Risk identification. (iii) PERT technique.	10	3

7. Attempt any *one* part of the following: 10*1 = 10

Q.no	Questions	Marks	CO
(a)	Briefly discuss any two of the following through an example. (i) Cost-benefit evaluation technology (ii) Risk evaluation (iii) Stepwise Project Planning	10	1
(b)	Write down about the concept of Contract Management under the Management Technique.	10	4